

MALCOLM PIRNIE, INC.

**PASSAIC RIVER ESTUARY
PRE-EXPANSION ACTIVITIES
PROGRESS REPORT**

MPI. PROJECT NO.:	0285-924
CLIENT:	USACE-KC
CONTRACT NO.:	DACW41-02-D-0003, Task Orders 0008 and 0011
LOCATION:	New Jersey
REPORT NO.:	8
DATES COVERED:	June 14, 2003 through July 11, 2003
EPA IAG Nos.:	DW96941915

PREPARED BY:

Bruce Fidler, Malcolm Pirnie Project Manager
Lisa Szegedi-Greco, Deputy Project Manager

Task Order 0008/RI/FS

Contract Action	Estimated Cost	Fixed Fee	Total Estimated Costs
ATP 1	\$791,654	\$60,956	\$852,610
Total Authorized Amount:			\$852,610

1. WVN No. 1 was submitted on January 31, 2003 and signed by the USACE on February 4, 2003. This WVN moves dollars and hours from WAD02, subtask WO8a (95 hours and \$10,550) and WAD02, subtask WO 8g (40 hours and \$8,410) to a new task (WAD 02, WO 8k – Public Website Set-up).

Task Order 0011/RI/FS

Contract Action	Estimated Cost	Fixed Fee	Total Estimated Costs
ATP 1	\$306,945	\$18,317	\$325,262
Total Authorized Amount:			\$325,262

1. Submitted work basis, cost estimate and ATP for WOs 1-6 to the USACE on December 20, 2002. Conducted negotiations on the above cost estimate among USEPA, USACE, and MPI on January 6 and February 14, 2003. The final cost proposal was sent to the USACE on February 24, 2003 and the ATP was approved by the USACE on March 11, 2003.
2. A WVN is being prepared that will move dollars and hours from WAD 03, WOs 4.1a, 4.2b, and 5d to WO 2, as well as newly created WOs 5e through 5j. These subtasks were not included in the original cost proposal and scope since it was unknown whether the PREmis database would be integrated with HEP/CARP or would be a new database.

A. Current Status Summary (June 14, 2003 through July 11, 2003)

WAD 1: PROJECT MANAGEMENT

- Prepared and submitted seventh set of Earned Value (EV) curves and Progress Report covering the period May 10, 2003 through June 13, 2003.
- Prepared and submitted an invoice for the period covering May 10, 2003 through June 13, 2003.
- Weekly conference calls to discuss project status and action items were held.

WAD 2: RI/FS SERVICES

- The FORMS II Lite and RSCC memo has been modified and submitted to Region II RSCC.
- The CAD hard drive has been obtained from USACE-NY District. Needed equipment has been ordered to allow IT staff to begin accessing the drive.
- Permission has been obtained from MERI to copy their files and arrangements have been made for the reproduction subcontractor to commence work the first week of August.
- A river mile scheme that begins at the mouth was established for the Passaic River. A map detailing the river miles has been created and uploaded to the digital library in PREMIS.
- The public website interface, ourPASSAIC.org, has been completed. It should be noted that this is not currently a functional website.

WAD 3: ADDITIONAL RI/FS SERVICES

- Work continued on the PEAP and QCP variance.
- Work has begun on creating a matrix for the Technical Advisory Committee candidates for the project. The matrix will be used to identify each technical expert's specialty area(s) as well as their relative strength in each area.
- Work was begun on the PREMIS database entity relationship diagram (ERD) and the database task plan.

B. Problems Encountered and Solved

Problem: In order to conduct the mass balance subtask, HydroQual needs to obtain water column data. The only known water column data, which were collected as part of the HEP/CARP project, are currently unvalidated. Therefore, they are not available for public release. Until these data can be used by HydroQual, work on this task will be suspended.

Solution: A conference call was held by the HEP/CARP management committee to determine if HydroQual would be permitted to use the data for their mass balance task. At that time, the NJDEP would not agree to release the data. A meeting of the management committee, during which this issue will be further discussed, is scheduled for mid-August. In addition, Alice Yeh will discuss the use of the data in further detail with the NJDEP prior to the meeting.

C. Meetings

- A meeting was held with USEPA, USACE – KC District, USACE – NY District, Malcolm Pirnie, HydroQual, Battelle, NJDOT-OMR, and HRF on June 17, 2003. The purpose of this meeting was to clarify confidentiality issues with the HEP/CARP modeling framework, facilitate pre-validation release of HEP/CARP water column data to HydroQual for the mass balance task, and determine the database structure for PREmis. The results of the discussions on these issues are the following:
 - According to HRF, the HEP/CARP modeling framework is publicly available information. Therefore, the framework can be used for the Passaic River Estuary Superfund Study.
 - The HEP/CARP water column data cannot be released without consent from the HEP/CARP Management Committee. Refer to Section B for a summary of this issue.
 - A decision was made to create a separate database for the project.

D. Schedule/Budget

- Earned value curves for Task Order No. 8 and Task Order No. 11 are attached to this progress report and summarized in Attachment 1.

E. Planned Activities

- A meeting with USEPA, USACE-KC District, USACE-NY District, NJDOT-OMR, TAMS, and AquaSurvey is scheduled for August 6, 2003. The objectives of the meeting are to initiate coordination and teamwork among the consultant teams and agencies, identify tasks in the PMP to be conducted in the first year of work, coordinate schedules and planning activities, and identify data needs for task implementation.
- A data meeting will be scheduled with NJDEP.
- Comments on HydroQual's HEP/CARP modeling framework evaluation report will be submitted via Forums.
- USEPA and MERI files will be copied, scanned into pdf, and uploaded to the digital library.
- An ERD for the database structure will be created and reviewed and the database will be developed.
- A preliminary ranking matrix for Technical Advisory Committee candidates will be completed by Malcolm Pirnie based on available information and circulated to the team; a discussion will be held on makeup of the Committee once other team members have had the

opportunity to review the preliminary rankings and provide additional information for consideration.

- The CAD hard drive obtained from the USACE – NY District will be accessed and a discussion will be held regarding the contents.

F. Subcontractor Activity

- HydroQual conducted the following activities during the reporting period:

An examination of methods to correlate TOC data and total solids data was conducted to assist in the determination of chemical masses within the bottom layers of sediment. Surface maps of chemicals in profile were generated as part of the process.

In addition, work was performed to examine the mass of several species of the chemicals of concern within the six-mile study reach. The numerical computations and interpolation templates were designed and implemented, as well as the visualization tools to display the mass computations in a 3-D manner. For the present time the PCB and dioxin congeners were examined in profile and calculations of the total mass within the sediments are being computed.

Finally, the possible overlapping tools and overall modeling framework between the Lower Passaic River Study and the HEP/CARP projects were examined. Grids and numerical models were investigated, and a preliminary report was completed and uploaded to the PREmis digital library. The report will be reviewed and comments will be used to establish a final appraisal and report.

- Battelle began work on the ERD during the reporting period. This involved a meeting and several conference calls with Malcolm Pirnie to discuss lessons learned from HEP/CARP.

ATTACHMENT 1
SUMMARY OF COST PERFORMANCE

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Task Order 0008 – Project Management

WAD 1: Project Management, WO 1, Project Administration

Scope: Provide overall management activities to oversee technical, subcontracting and financial activities.

Variance Analysis: None

Corrective Action Plan: None

WAD 1: Project Management, WO 2, Meetings

Scope: Includes cost associated with project team meetings including meetings with USACE and USEPA.

Variance Analysis: This task is currently behind schedule since a project meeting is scheduled every two months; however, no meetings were held in January through April.

Corrective Action Plan: None

WAD 1: Project Management, WO 3, Technical Support

Scope: Provide support to the USACE and USEPA, as directed by the USACE.

Variance Analysis: This task is currently behind schedule since technical work on the project was slowed down at USACE direction until a new USEPA RPM was assigned.

Corrective Action Plan: It is anticipated that this variance will decrease as technical work on the project resumes.

WAD 1: Project Management (Expenses)

Scope: Office expenses for computer and reproduction services.

Variance Analysis: None

Corrective Action Plan: None

Task Order 0008 – RI/FS Activities

WAD 2: RI/FS Activities, WO 1, PEAP

Scope: Prepare a Draft and Final PEAP utilizing Work Plans from similar sites.

Variance Analysis: This task, which is completed, is over budget. Refer to the previous Progress Report for the variance analysis.

Corrective Action Plan: Refer to the previous Progress Report for the corrective action plan.

WAD 2: RI/FS Activities, WO 2, Inventory Historical Data

Scope: Create an inventory of historical data, reports, and papers pertinent to the Passaic River Estuary. This includes creating an overview report that lists all potential sources that were identified, as well as gives a brief summary of what information is available from each source. This task also includes researching, assembling, and evaluating readily available base mapping for the Passaic River Estuary and creating a mapping overview report.

Variance Analysis: This task is currently slightly over budget and slightly behind schedule. Refer to the previous Progress Report for the budget variance analysis. This task is behind schedule for several reasons: 1) It was anticipated that document copying would have already started; 2) Since many of the initial data source contacts were obtained from the USEPA, this task has been conducted for less budget than anticipated. However, it is anticipated that this variance will be reduced in the future as previously unidentified data sources are discovered; and 3) One of the major data source visits (the NJDEP) cannot be conducted until the USEPA obtains access.

Corrective Action Plan: It is anticipated that the schedule variance will decrease as technical work on the project resumes. It should be noted that it is anticipated that the budget variance will increase in the future as other subtasks such as copying and scanning are started since some of the assumptions used in the cost estimate were inaccurate.

WAD 2: RI/FS Activities, WO 3, Evaluate HEP/CARP Database

Scope: Evaluate the viability of integrating the existing HEP/CARP database with the system-wide database being developed for the project.

Variance Analysis: None

Corrective Action Plan: None

WAD 2: RI/FS Activities, WO 5, Conceptual Model

Scope: Develop an understanding of the processes affecting the fate and bioaccumulation of metals and organic chemicals within the Passaic River Estuary.

Variance Analysis: This task is currently behind schedule since work appears to have been initiated more slowly than anticipated. In addition, technical work on the project was slowed down at USACE direction until a new USEPA RPM was assigned.

Corrective Action Plan: It is anticipated that this variance will decrease now that a new USEPA RPM has been assigned to the project.

WAD 2: RI/FS Activities, WO 6, Mass Balance and Quantification

Scope: Create an estimate of the mass of each contaminant of concern present in the Passaic River Estuary.

Variance Analysis: This task is currently behind schedule since work appears to have been initiated more slowly than anticipated. In addition, this task cannot be completed without water column data from HEP/CARP.

Corrective Action Plan: A conference call was held with the CARP Management Committee members to determine if they would release unvalidated water column data. A decision was not made during the conference call; however, this issue will be discussed during a meeting of the committee on . As a result of the meeting, it was agreed that HRF would hold a conference call with CARP Management Committee members to obtain agreement to release the data.

WAD 2: RI/FS Activities, WO 7, Evaluate HEP/CARP Framework

Scope: Review the HEP/CARP framework with respect to applicability to the contaminants of concern in the Passaic River Estuary.

Variance Analysis: None

Corrective Action Plan: None

WAD 2: RI/FS Activities, WO 8, Website and GIS System

Scope: Create a Passaic River Estuary Project Web Site/Database that will serve as the access point for all study data, documents, and project related files.

Variance Analysis: None

Corrective Action Plan: None

WAD 2: RI/FS Activities, WO 10, QCP

Scope: Prepare a Draft and Final QCP.

Variance Analysis: This task, which is complete, is over budget. Refer to the previous Progress Report for the variance analysis.

Corrective Action Plan: Refer to the previous Progress Report for the corrective action plan.

WAD 2: Investigation Support (Expenses)

Scope: Office expenses for computer and reproduction services and subcontractor fee.

Variance Analysis: The subcontractor fee task is slightly behind schedule.

Corrective Action Plan: It is anticipated that this variance will decrease now that technical work has resumed on the project.

Task Order 0011 – Additional RI/FS Activities

WAD 3: Additional RI/FS Activities, WO 1, Project Management

Scope: Provide overall management activities for Battelle to oversee technical and financial activities.

Variance Analysis: This task is currently behind schedule since technical work on the project was slowed down at USACE direction until a new USEPA RPM was assigned.

Corrective Action Plan: It is anticipated that this variance will decrease now that technical work has begun on this task order.

WAD 3: Additional RI/FS Activities, WO 2, Meetings

Scope: Includes cost associated with project team meetings including meetings with MPI, USACE and USEPA.

Variance Analysis: This task is currently behind schedule since technical work on the project was slowed down at USACE direction until a new USEPA RPM was assigned.

Corrective Action Plan: It is anticipated that this variance will decrease now that technical work has begun on this task order.

WAD 3: Additional RI/FS Activities, WO 3, PEAP and Schedule

Scope: Includes cost associated with amending the PEAP and QCP to reflect additional tasks that are part of WAD 3.

Variance Analysis: This task is currently behind schedule since technical work on the project was slowed down at USACE direction until a new USEPA RPM was assigned.

Corrective Action Plan: It is anticipated that this variance will decrease now that technical work has begun on this task order.

WAD 3: Additional RI/FS Activities, WO 4.1, Develop Data Scheme

Scope: Includes cost associated with conducting a review of all of the data collected for the project and establishing its relevance to the site. This will include creating a database structure, establishing an initial data quality scheme, and making an interim decision on the relevance of each report.

Variance Analysis: This task is currently behind schedule since technical work on the project was slowed down at USACE direction until a new USEPA RPM was assigned.

Corrective Action Plan: It is anticipated that this variance will decrease now that

technical work has begun on this task order.

WAD 3: Additional RI/FS Activities, WO 4.2, Populate Analytical Database

Scope: Includes cost associated with populating the project database with both electronic and hardcopy data. This will consist of manual data entry of hardcopy data and the associated quality assurance, amending the format of data source databases to be compatible with the project database and then uploading the data, creating a memo that documents the approach used for these activities, and management and oversight.

Variance Analysis: This task is currently behind schedule since technical work on the project was slowed down at USACE direction until a new USEPA RPM was assigned.

Corrective Action Plan: It is anticipated that this variance will decrease now that technical work has begun on this task order.

WAD 3: Additional RI/FS Activities, WO 5, Website and GIS System

Scope: Includes cost associated with providing technical support and management for the project website being developed under WAD 2. This also includes integrating HEP/CARP with the Passaic River Estuary database.

Variance Analysis: This task is currently behind schedule since technical work on the project was slowed down at USACE direction until a new USEPA RPM was assigned.

Corrective Action Plan: It is anticipated that this variance will decrease now that technical work has begun on this task order.

WAD 3: Additional RI/FS Activities, WO 6, Establish Technical Expert Team

Scope: Includes cost associated with identifying specialty areas crucial to the project as well as recognized experts in each area, selecting experts to serve on the Technical Advisory Committee, and establishing subcontracts with each of the selected experts.

Variance Analysis: This task is currently behind schedule since technical work on the project was slowed down at USACE direction until a new USEPA RPM was assigned.

Corrective Action Plan: It is anticipated that this variance will decrease now that technical work has begun on this task order.

SUMMARY OF TASK ORDER NO. 0008
MANAGEMENT, SUPPORT, AND INVESTIGATION
6/14/03-7/11/03

Task Order No. 0008	Current Budget Cost (BC)	Scheduled Budget Cost (BCWS)	Cost to Date (ACWP)	Percent Complete (PCT)	Earned Value (BCWP)	Estimate to Complete (ETC)	Estimate at Completion (EAC)
WAD 01 (Project Management Administration)	\$ 227,770	\$ 171,769	\$ 165,230	69.7%	\$ 155,980	\$ 74,467	\$ 235,444
WAD 02 (RI/FS Services)	\$ 563,844	\$ 466,834	\$ 327,952	56.4%	\$ 315,581	\$ 211,353	\$ 528,714
NA (Fee)	\$ 60,953	\$ 48,916	\$ 36,933	59.8%	NA	\$ 22,866	\$ 61,133
Total (Less Fee)	\$ 791,614	\$ 638,603	\$ 493,183	59.8%	\$ 471,561	\$ 285,820	\$ 764,158

Task Order No. 0008	Cost Variance (CVAR)	Schedule Variance (SVAR)	Cost Performance Index (CPI)	Schedule Performance Index (SPI)	CPI/SPI Ratio
WAD 01 (Project Management Administration)	\$ (6,513)	\$ (15,393)	0.96	0.92	0.89
WAD 02 (RI/FS Services)	\$ (10,161)	\$ (134,391)	0.97	0.68	0.66
NA (Fee)	NA	NA	NA	NA	NA
Total (Less Fee)	\$ (16,674)	\$ (149,785)	0.96	0.74	1.29

Prepared 7/25/03

	MPI	HQI	Battelle	Total
Total Budget	\$553,244	\$275,935	\$23,432	\$852,611
Total Expended	\$321,298	\$98,630	\$14,055	\$433,983
Remaining Funds	\$231,946	\$177,305	\$9,377	\$418,628
Schedule Status	Work slightly behind schedule	Work slightly behind schedule	On Schedule	

Calculations:

PCT = (BCWP/BC) X 100*

ETC = (BC-BCWP)/(BCWP/ACWP)**

It should be noted that this calculation is conducted at a work element level, not a work order level

CAC = ACWP + ETC

CVAR=ACWP-BCWP

SVAR=BCWS-BCWP

CPI = BCWP/ACWP

SPI = BCWP/BCWS

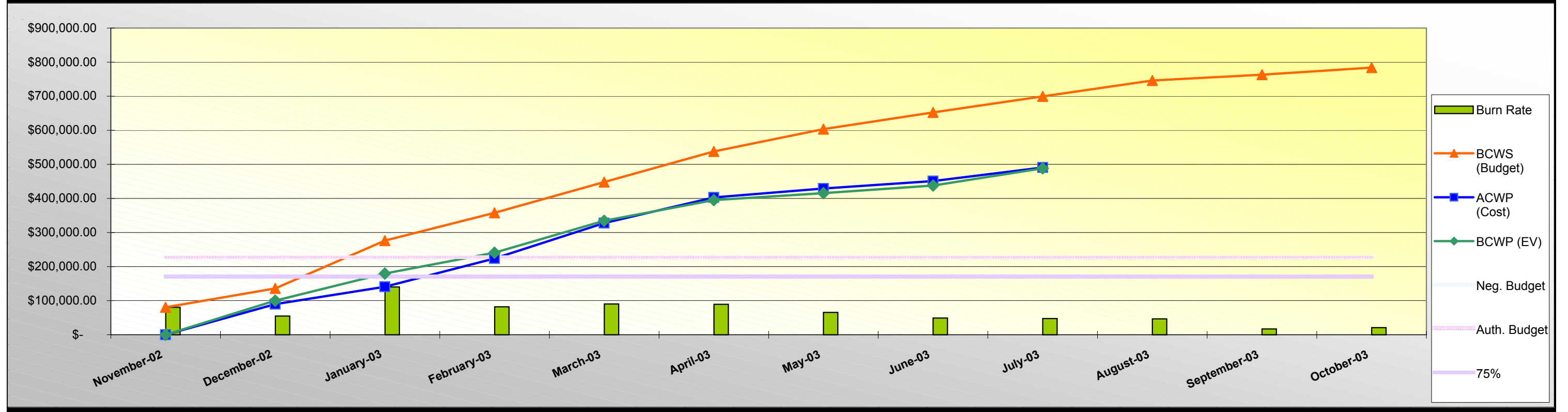
* - PCT for Fee is calculated less travel, since travel expense costs are not fee-bearing.

** - Generally, this formula is used to calculate ETC; however, wherever warranted a judgmental ETC is estimated.

Month	Burn Rate - WAD01	Burn Rate - WAD02	Burn Rate - Total
Nov-02	\$ 34,181	\$ 46,654	\$ 80,835
Dec-02	\$ 16,828	\$ 38,149	\$ 54,977
Jan-03	\$ 27,265	\$ 113,045	\$ 140,310
Feb-03	\$ 14,548	\$ 67,366	\$ 81,915
Mar-03	\$ 14,548	\$ 75,705	\$ 90,253
Apr-03	\$ 13,617	\$ 70,918	\$ 84,535
May-03	\$ 22,616	\$ 55,405	\$ 78,021
Jun-03	\$ 14,548	\$ 34,263	\$ 48,812
Jul-03	\$ 18,570	\$ 28,976	\$ 47,546
Aug-03	\$ 17,664	\$ 28,895	\$ 46,559
Sep-03	\$ 14,548	\$ 2,400	\$ 16,949
Oct-03	\$ 18,836	\$ 2,108	\$ 20,945
Burn Rate - Total by WAD	\$ 227,770	\$ 563,885	\$ 791,655

Cost/Schedule Through July 11th, 2003

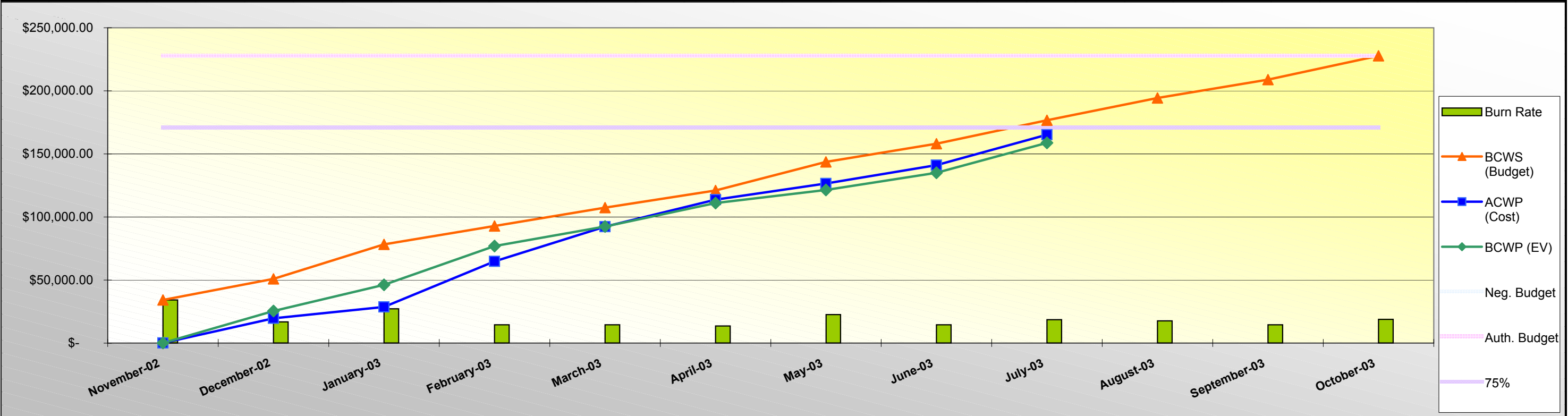
Summary of WADs 1 and 2 Task Order 0008



Note: The earned value curves depict labor costs and expenses to date. The percent complete for the WAD is a statistical calculation.

Cost/Schedule Through July 11th, 2003

Summary of WAD 1 Task Order 0008 - Project Management Administration

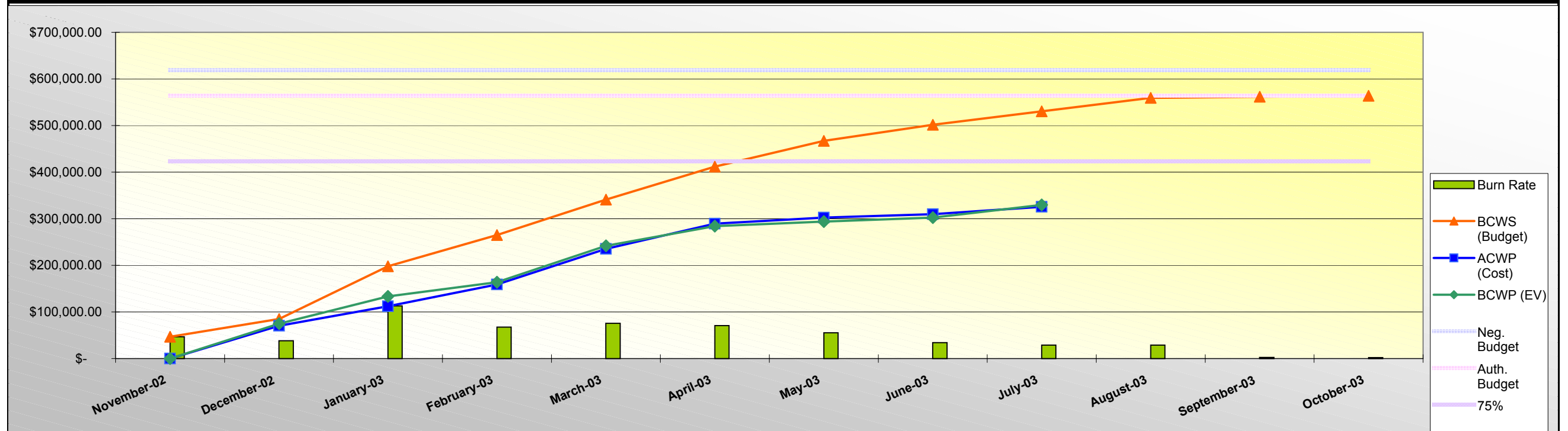


WAD	Work Order	Work Element	Description	Current Budgeted Cost (BC)	Schedule Budget Cost (BCWS)	Cost to Date (ACWP)	Percent Complete (PCT)	Earned Value (BCWP)	Cost to Complete (ETC)	Cost at Complete (CAC)	Cost Variance (CVAR)	Schedule Variance (SVAR)
1	1	00	Project Administration/Reporting	\$ 141,356.00	\$ 103,943.45	\$ 109,267.26	73.5%	\$ 103,943.45	\$ 39,328.76	\$ 148,596.02	\$ (5,323.81)	\$ -
1	2	00	Meetings	\$ 23,496.00	\$ 19,524.75	\$ 12,854.04	49.6%	\$ 11,664.83	\$ 13,037.34	\$ 25,891.38	\$ (1,189.21)	\$ (7,859.92)
1	3	00	Technical Support	\$ 35,901.00	\$ 27,597.43	\$ 18,272.76	50.9%	\$ 18,272.76	\$ 17,628.24	\$ 35,901.00	\$ -	\$ (9,324.67)
1	0	00	Labor Totals	\$ 200,753.00	\$ 151,065.63	\$ 140,394.06	66.7%	\$ 133,881.04	\$ 69,994.34	\$ 210,388.40	\$ (6,513.02)	\$ (17,184.59)
1	0	00	Expenses(Computer/Reproduction)	\$ 25,056.00	\$ 18,792.00	\$ 20,583.32	82.1%	\$ 20,583.32	\$ 4,472.68	\$ 25,056.00	\$ -	\$ 1,791.32
1	0	00	Travel and Lodging Expenses	\$ 300.00	\$ 250.00	\$ 2,737.28	912.4%	\$ 2,737.28	\$ (2,437.28)	\$ 300.00	\$ -	\$ 2,487.28
1	0	00	Subcontractor Fee	\$ 1,661.00	\$ 1,661.00	\$ 1,515.74	91.3%	\$ 1,515.74	\$ 145.26	\$ 1,661.00	\$ -	\$ (145.26)
1	0	00	WAD Fee(Less Travel)	\$ 18,064.72	\$ 13,588.61	\$ 12,357.15	68.4%	\$ -	\$ 5,957.36	\$ 18,835.55	\$ -	\$ -
1	0	00	Job To DateTotals(Less Fee)	\$ 227,770.00	\$ 171,768.63	\$ 165,230.40	69.7%	\$ 158,717.38	\$ 74,467.02	\$ 235,444.40	\$ (6,513.02)	\$ (15,393.27)

Note: The earned value curves depict labor costs and expenses to date. The percent complete for the WAD is a statistical calculation.

Cost/Schedule Through July 11th, 2003

Summary of WAD 2 Task Order 0008 - RI/FS Services



WAD	Work Order	Work Element	Description	Current Budgeted Cost (BC)	Schedule Budget Cost (BCWS)	Cost to Date (ACWP)	Percent Complete (PCT)	Earned Value (BCWP)	Cost to Complete (ETC)	Cost at Complete (CAC)	Cost Variance (CVAR)	Schedule Variance (SVAR)
2	1	00	Pre-Expansion Activity Plan	\$ 41,668.80	\$ 41,668.80	\$ 47,295.43	100.0%	\$ 41,668.80	\$ -	\$ 47,295.43	\$ (5,626.63)	\$ -
2	2	00	Inventory Historical Data	\$ 68,448.87	\$ 68,449.19	\$ 55,747.47	70.6%	\$ 48,317.08	\$ 23,227.74	\$ 78,975.21	\$ (7,430.39)	\$ (20,132.11)
2	3	00	Evaluate HEP/CARP Database	\$ 34,044.72	\$ 34,044.72	\$ 31,882.32	100.0%	\$ 34,044.72	\$ -	\$ 31,882.32	\$ 2,162.40	\$ -
2	5	00	Develop Detailed Conceptual Model	\$ 88,894.00	\$ 88,894.00	\$ 63,293.53	71.2%	\$ 63,293.53	\$ 25,600.47	\$ 88,894.00	\$ -	\$ (25,600.47)
2	6	00	Prelim Contaminant Mass Balance and In-Situ Mass Quantification	\$ 164,160.06	\$ 91,853.37	\$ 11,940.51	8.4%	\$ 13,868.00	\$ 129,403.22	\$ 141,343.73	\$ 1,927.49	\$ (77,985.37)
2	7	00	Evaluate HEP/CARP Tier 2 Modeling Framework	\$ 11,214.00	\$ 11,214.00	\$ 5,812.86	89.0%	\$ 9,980.00	\$ 718.74	\$ 6,531.60	\$ 4,167.14	\$ (1,234.00)
2	8	00	Development and Implementation Website/GIS	\$ 105,415.49	\$ 86,606.12	\$ 79,174.49	73.1%	\$ 77,104.37	\$ 29,071.22	\$ 108,245.71	\$ (2,070.12)	\$ (9,501.75)
2	10	00	Quality Control Plan	\$ 8,761.70	\$ 8,761.70	\$ 12,052.33	100.0%	\$ 8,761.70	\$ -	\$ 12,052.33	\$ (3,290.63)	\$ -
2	0	00	Labor Totals	\$ 522,607.64	\$ 431,491.90	\$ 307,198.94	56.8%	\$ 297,038.20	\$ 208,021.39	\$ 515,220.33	\$ (10,160.74)	\$ (134,453.70)
2	0	00	Expenses(Less Travel)	\$ 13,493.36	\$ 10,099.48	\$ 10,161.71	75.3%	\$ 10,161.71	\$ 3,331.65	\$ 13,493.36	\$ -	\$ 62.23
1	0	00	Travel and Lodging Expenses	\$ 2,738.00	\$ 2,738.00	\$ 2,211.20	80.8%	\$ 2,211.20	\$ 526.80	\$ 2,738.00	\$ -	\$ (526.80)
1	0	00	Subcontractor Fee	\$ 25,005.00	\$ 22,504.50	\$ 8,380.61	33.5%	\$ 8,380.61	\$ 16,624.39	\$ 25,005.00	\$ -	\$ (14,123.89)
2	0	00	WAD Fee(Less Travel)	\$ 42,888.08	\$ 35,327.31	\$ 24,575.99	57.3%	\$ -	\$ 16,908.24	\$ 42,297.10	\$ -	\$ -
2	0	00	Job To DateTotals(Less Fee)	\$ 563,844.00	\$ 466,833.88	\$ 327,952.46	56.4%	\$ 317,791.72	\$ 211,353.04	\$ 528,713.69	\$ (10,160.74)	\$ (134,391.47)

Note: The earned value curves depicts labor costs and expenses to date. The percent complete for the WAD is a statistical calculation.

SUMMARY OF TASK ORDER NO. 0011
ADDITIONAL RI/FS SERVICES
6/14/03-7/11/03

Task Order No. 0011	Current Budget Cost (BC)	Scheduled Budget Cost (BCWS)	Cost to Date (ACWP)	Percent Complete (PCT)	Earned Value (BCWP)	Estimate to Complete (ETC)	Estimate at Completion (EAC)
WAD 03 (Project Management Administration)	\$ 306,947	\$ 225,896	\$ 31,266	10.07%	\$ 30,921	#DIV/0!	#DIV/0!
NA (Fee)	\$ 20,855	\$ 15,418	\$ 2,164	10.07%	NA	#DIV/0!	#DIV/0!
Total (Less Fee)	\$ 306,947	\$ 225,896	\$ 31,266	10.07%	\$ 30,921	#DIV/0!	#DIV/0!

Task Order No. 0011	Cost Variance (CVAR)	Schedule Variance (SVAR)	Cost Performance Index (CPI)	Schedule Performance Index (SPI)	CPI/SPI Ratio
WAD 03 (Project Management Administration)	\$ (346)	\$ (264,695)	0.99	0.14	0.14
NA (Fee)	NA	NA	NA	NA	NA
Total (Less Fee)	\$ (346)	\$ (264,695)	0.99	0.14	7.22

Prepared 7/25/03

Since only a minimal amount of work has been conducted on this project, the ETC and EAC cannot be accurately calculated.

	MPI	Battelle	Total
Total Budget	\$187,514	\$137,748	\$325,262
Total Expended	\$31,266	\$0	\$31,266
Remaining Funds	\$156,248	\$137,748	\$293,996
Schedule Status	Behind Schedule	Behind Schedule	

Note: WAD 03 is behind schedule due to a slow down period while the USEPA was transitioning between RPM's.

Calculations:

PCT = (BCWP/BC) X 100*

ETC = (BAC-BCWP)/(BCWP/ACWP)**

CAC = ACWP + ETC

CVAR=ACWP-BCWP

SVAR=BCWS-BCWP

CPI = BCWP/ACWP

SPI = BCWP/BCWS

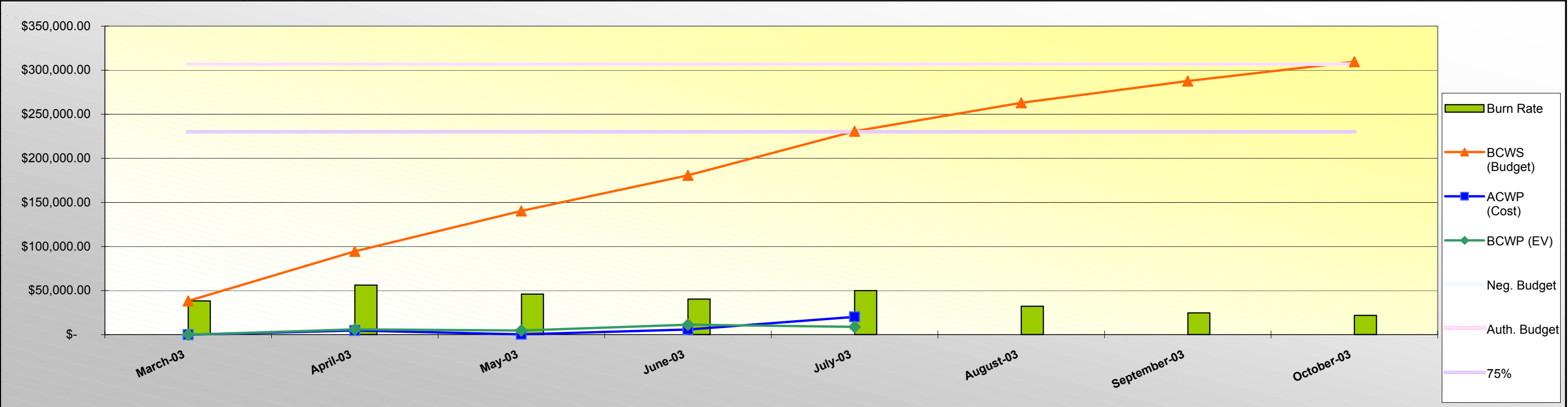
* - PCT for Fee is calculated less travel, since travel expense costs are not fee-bearing.

** - Generally, this formula is used to calculate ETC; however, wherever warranted a judgmental ETC is estimated.

Month	Burn Rate - WAD03	Burn Rate - Total
Mar-03	\$ 38,223	\$ 38,223
Apr-03	\$ 55,019	\$ 55,019
May-03	\$ 45,855	\$ 45,855
Jun-03	\$ 40,281	\$ 40,281
Jul-03	\$ 48,837	\$ 48,837
Aug-03	\$ 32,260	\$ 32,260
Sep-03	\$ 24,610	\$ 24,610
Oct-03	\$ 21,860	\$ 21,860
Burn Rate - Total by WAD	\$ 306,945	\$ 306,945

Cost/Schedule Through July 11th, 2003

Summary of WAD 3 Task Order 0011 - Additional RI/FS Services



WAD	Work Order	Work Element	Description	Current Budgeted Cost (BC)	Schedule Budget Cost (BCWS)	Cost to Date (ACWP)	Percent Complete (PCT)	Earned Value (BCWP)	Cost to Complete (ETC)	Cost at Complete (CAC)	Cost Variance (CVAR)	Schedule Variance (SVAR)
3	1	00	Project Administration/Reporting	\$ 9,702.00	\$ 5,633.46	\$ -	\$ 0.58	\$ 5,633.46	#DIV/0!	#DIV/0!	\$ 5,633.46	\$ (3,442.67)
3	2	00	Meetings	\$ 6,462.00	\$ 6,462.00	\$ -	\$ 0.50	\$ 3,231.00	#DIV/0!	#DIV/0!	\$ 3,231.00	\$ (3,231.00)
3	3	00	PEAP and Schedule	\$ 11,099.00	\$ 11,099.00	\$ 8,002.48	\$ -	\$ -	#DIV/0!	#DIV/0!	\$ (8,002.48)	\$ (11,099.00)
3	4	00	Populate & QC Database	\$ 101,216.00	\$ 87,963.23	\$ -	\$ -	\$ -	#DIV/0!	#DIV/0!	\$ -	\$ (101,216.00)
3	4.1	00	Develop Data Scheme	\$ 45,800.00	\$ 43,648.25	\$ -	\$ -	\$ -	#DIV/0!	#DIV/0!	\$ -	\$ (45,800.00)
3	4.2	00	Populate Analytical Database	\$ 55,416.00	\$ 44,314.98	\$ -	\$ -	\$ -	#DIV/0!	#DIV/0!	\$ -	\$ (55,416.00)
3	5	00	Website and GIS System	\$ 139,084.00	\$ 85,968.75	\$ 19,653.93	\$ 0.91	\$ 20,567.67	#DIV/0!	#DIV/0!	\$ 913.74	\$ (116,822.66)
3	6	00	Establish Technical Expert Team	\$ 23,740.00	\$ 18,992.00	\$ 2,121.48		\$ -	#DIV/0!	#DIV/0!	\$ (2,121.48)	\$ (23,740.00)
1	0	00	Labor Totals	\$ 291,303.00	\$ 216,118.44	\$ 29,777.89	\$ 1.99	\$ 29,432.13	#DIV/0!	#DIV/0!	\$ (345.76)	\$ (259,551.33)
1	0	00	Expenses(Computer/Reproduction)	\$ 6,632.00	\$ 4,145.00	\$ 1,488.47	\$ 0.22	\$ 1,488.47	#DIV/0!	#DIV/0!	\$ -	\$ (5,143.53)
1	0	00	Travel and Lodging Expenses	\$ -	\$ -	\$ -	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	\$ -	\$ -
1	0	00	Subcontractor Fee	\$ 9,012.00	\$ 5,632.50	\$ -	\$ -	\$ -	#DIV/0!	#DIV/0!	\$ -	\$ (9,012.00)
1	0	00	WAD Fee(Less Travel)	\$ 20,855.45	\$ 15,418.44	\$ 2,164.44	10.4%	\$ -	#DIV/0!	#DIV/0!	\$ -	\$ -
1	0	00	Job To DateTotals(Less Fee)	\$ 306,947.00	\$ 225,895.94	\$ 31,266.36	10.1%	\$ 30,920.60	#DIV/0!	#DIV/0!	\$ (345.76)	\$ (264,694.86)

Note: The earned value curves depicts labor costs and expenses to date. The percent complete for the WAD is a statistical calculation.